

Patent Abstracts of Japan

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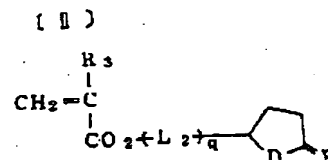
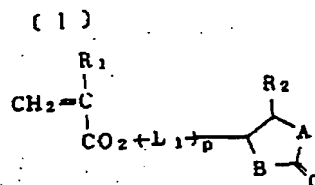
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TITLE : HIGH POLYMER SOLID
ELECTROLYTE



ABSTRACT : PURPOSE: To obtain a good ion conductivity and a preferably film forming property by polymerizing monomer of a specified composition with ion conductive solvent where salt of metal ions belonging to group Ia or IIa of the periodic table is dissolved, and forming high polymer matrix.

CONSTITUTION: For high polymer solid electrolyte, monomer expressed by an equation I or monomer expressed by an expression II is combined with ion conductive solvent where salt of metal ions belonging to group Ia or IIa of the periodic table for forming high polymer matrix. In the equations, A-E denote oxygen atoms or sulfur atoms respectively. R₁, R₃ denotes hydrogen atoms or low grade alkyl group respectively, and R₂ denote hydrogen atoms, low grade alkyl group, or low grade alkoxyl group. L₁, L₂ denotes bivalent coupling groups. (p), (q) denotes 0 or 1. High polymer solid electrolyte having a good ion conductivity and a preferable film formation property can thus be obtained.

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